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(54) Title: CYTOTOXIC FACTORS FOR MODULATING CELL DEATH

(57) Abstract: Cytotoxic factors having use in modulating cell death, and their use in methods of treating necrosis or apoptosis-related conditions are disclosed. The invention also relates to methods for identifying active agents useful in treating conditions related to cell death. The present inventors have found that different pathogens produce different cytotoxic factor(s) having anticancer activity. The substantially pure cytotoxic factors can be used in a method of treating an infectious disease or a cancer.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : A61K 38/00; C12P 21/04; C12N 1/20, 1/38 US CL : 435/71.3, 244, 252.1; 530/412; 514/2				
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B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/71.3, 244, 252.1; 530/412; 514/2				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Medline, Biosis, Lifesci, Cancerlit, Biotechds, Caplus, PCTFULL, USPATFULL on STN				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	ZAMBORINA et al. Secreted products of nonmucoid <i>Pseudomonas aeruginosa</i> strain induce two modes of macrophage killing: external-ATP-dependent, P2Z-receptor-mediated necrosis and ATP-independent, caspase-mediated apoptosis. Microbiology. October 2000, Vol. 146, part 10, pages 2521-2530. See entire document.	1, 5, 6, 7, 9, 11-16 ----- 2-4, 17-25		
Y	MELNIKOV et al. Clinical and environmental isolates of <i>Burkholderia cepacia</i> exhibit differential cytotoxicity towards macrophages and mast cells. Molecular Microbiology. 2000, Vol. 36, No. 6, pages 1481-1493. See entire document.	2-4		
X	CONFER et al. Sequential development of antigens and toxins of <i>pasteurella</i> serotype 1 grown in cell culture medium. American Journal of Veterinary Research. May 1992, Vol. 53, No. 5, pages 646-652. See entire document.	1,2		
X	WU et al. Enhanced extracellular production of aspartyl proteinase, a virulence factor, by <i>candida albicans</i> isolates following growth in subinhibitory concentrations of fluconazole. Antimicrobial Agents and Chemotherapy. May 2000, Vol. 44, No. 5, pages 1200-1208. See entire document.	1,2		
Y	US 5,789,389 A (TARASEWICZ et al) 04 August 1998 (04.08.1998), column 9, line 66 to column 10, line 10 and column 13, lines 14-26.	17-25		
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.				
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